

PHOTOGRAPHIC INTERPRETATION REPORT

SARY-SHAGAN
ANTIMISSILE TEST CENTER, USSR
CHANGES AND ADDITIONS
AS OF [REDACTED]

25X1D



CIA



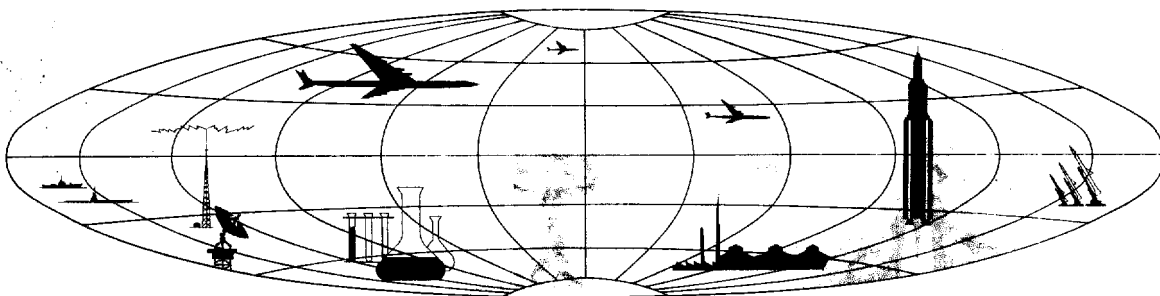
DIA

Handle Via **TALENT - KEYHOLE** Control Only

WARNING

This document contains classified information affecting the national security of the United States within the meaning of the espionage laws U. S. Code Title 18, Sections 793 and 794. The law prohibits its transmission or the revelation of its contents in any manner to an unauthorized person, as well as its use in any manner prejudicial to the safety or interest of the United States or for the benefit of any foreign government to the detriment of the United States. It is to be seen only by personnel especially indoctrinated and authorized to receive TALENT-KEYHOLE information. Its security must be maintained in accordance with KEYHOLE and TALENT regulations.

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER



TOP SECRET

PHOTOGRAPHIC INTERPRETATION REPORT

SARY-SHAGAN
ANTIMISSILE TEST CENTER, USSR
CHANGES AND ADDITIONS
AS OF [REDACTED]

25X1D

NPIC/R-328/64

May 1964

NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

NPIC/R-328/64

TABLE OF CONTENTS

	Page
Introduction	1
Launch Complex A	1
Launch Complex B	5
HEN ROOST Antennas	5
Dirt Strip	6
SAM Training Center	8
Instrumentation Site 1	9
Instrumentation Site 2	13
Instrumentation Site 10	14
Possible Instrumentation Site 13	14
Possible Instrumentation Site 14	18
Possible Instrumentation Site 15	20
Possible Field Launch Point	21
Unidentified Facility Near Instrumentation Site 8	21
References	26

LIST OF ILLUSTRATIONS

	Page
Figure 1. Antimissile Test Center, Sary-Shagan, USSR . Facing	1
Figure 2. Launch Complex A	1
Figure 3. Launch Complex A -- Launch Sites 1-4, and Electronic Sites A and B	2
Figure 4. Launch Complex A -- Launch Sites 5 and 6, and Electronic Site C	4
Figure 5. Launch Complex B	6
Figure 6. HEN ROOST Antennas	7
Figure 7. SAM Training Center	8
Figure 8. Instrumentation Site 1	9
Figure 9. Instrumentation Site 2	10
Figure 10. Instrumentation Site 2	11
Figure 11. Possible Instrumentation Site 13	12
Figure 12. Possible Instrumentation Site 13	13
Figure 13. Possible Instrumentation Site 13 and Adjacent Area .	15
Figure 14. Possible Instrumentation Site 14	16
Figure 15. Possible Instrumentation Site 14	17
Figure 16. Possible Instrumentation Site 15	18
Figure 17. Possible Instrumentation Site 15	19
Figure 18. Possible Field Launch Point	20
Figure 19. Unidentified Facility Near Instrumentation Site 8 . .	21

Approved For Release 2000/05/09 : CIA-RDP78B04560A002300010011-1

NPIC/R-328/64

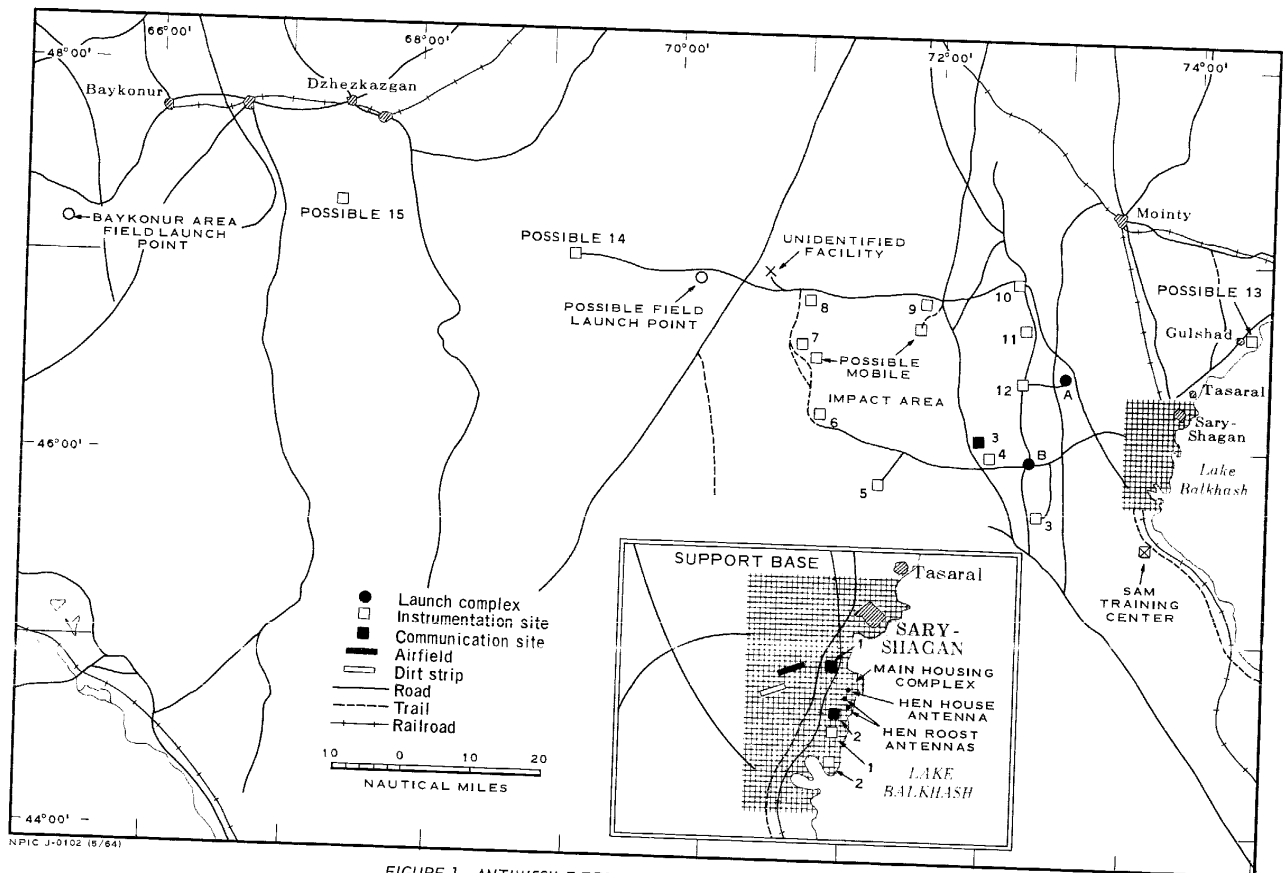


FIGURE 1. ANTIMISSILE TEST CENTER, SARY-SHAGAN, USSR.

Approved For Release 2000/05/09 : CIA-RDP78B04560A002300010011-1

NPIC/R-328/64

25X1D

25X1A

INTRODUCTION

This report contains information on those facilities at the Sary-Shagan Antimissile Test Center (SSATC), USSR, [REDACTED] (Figure 1), at which changes or new developments have occurred from [REDACTED] to [REDACTED].

In addition, the following four recently constructed installations are described: Possible Instrumentation Sites 14 and 15, a possible field launch point, and an unidentified facility near Instrumentation Site 8. Coordinates, included for all facilities discussed, have been taken from the center of the facility in each case, using wherever available the AMS Map Series DESPA-1.

Details of snow cover as seen on three recent missions at the facilities discussed have been tabulated in Table 1 in order to facilitate comparative usage of the information. For the same reason, a chronology of activity at the four building triad areas is also included in the report (Table 2).

25X1D

LAUNCH COMPLEX A (46-25°N 72-52°E)

25X1D

Headquarters and Administration Area

No significant change was observed in the Headquarters and Administration Area of Launch Complex A (Figure 2) from [REDACTED].

Several additional small structures/vehicles appeared at the SAM On-Site Support Facility during this period.

Missile Storage and Checkout Area and Electronic Site D

These areas remained unchanged from [REDACTED].

Launch Sites 1 and 2 and Electronic Site A (Figure 3)

Launch Site 1. One additional vehicle/piece of equipment was observed in both the central

25X1D

25X1D

25X1D

guidance area and the single hardstand from [REDACTED]. Five launch positions appear occupied, each by a single piece of equipment.

Launch Site 2. Occupancy of the central guidance area and the single hardstand appeared unchanged from [REDACTED]. Activity noted at the site by [REDACTED] included the appearance of two small vehicles/pieces of equipment in the central guidance area, of two others just southwest of that area, and of a single piece of equipment on one of the launch positions. The object with height remains on the single hardstand.

Electronic Site A. Four additional vehicles/pieces of equipment appeared at this site between [REDACTED] and at least one additional vehicle by [REDACTED].

25X1D

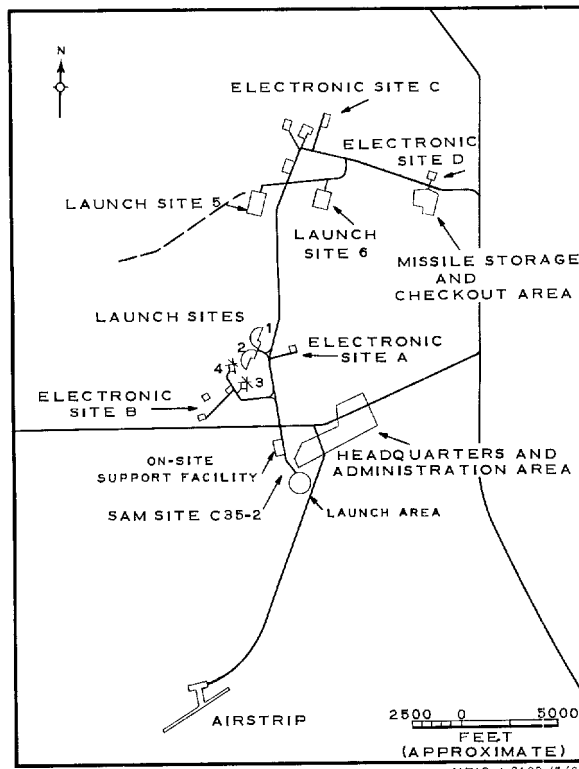


FIGURE 2. LAUNCH COMPLEX A.

NPIC/R-328/64

25X1D

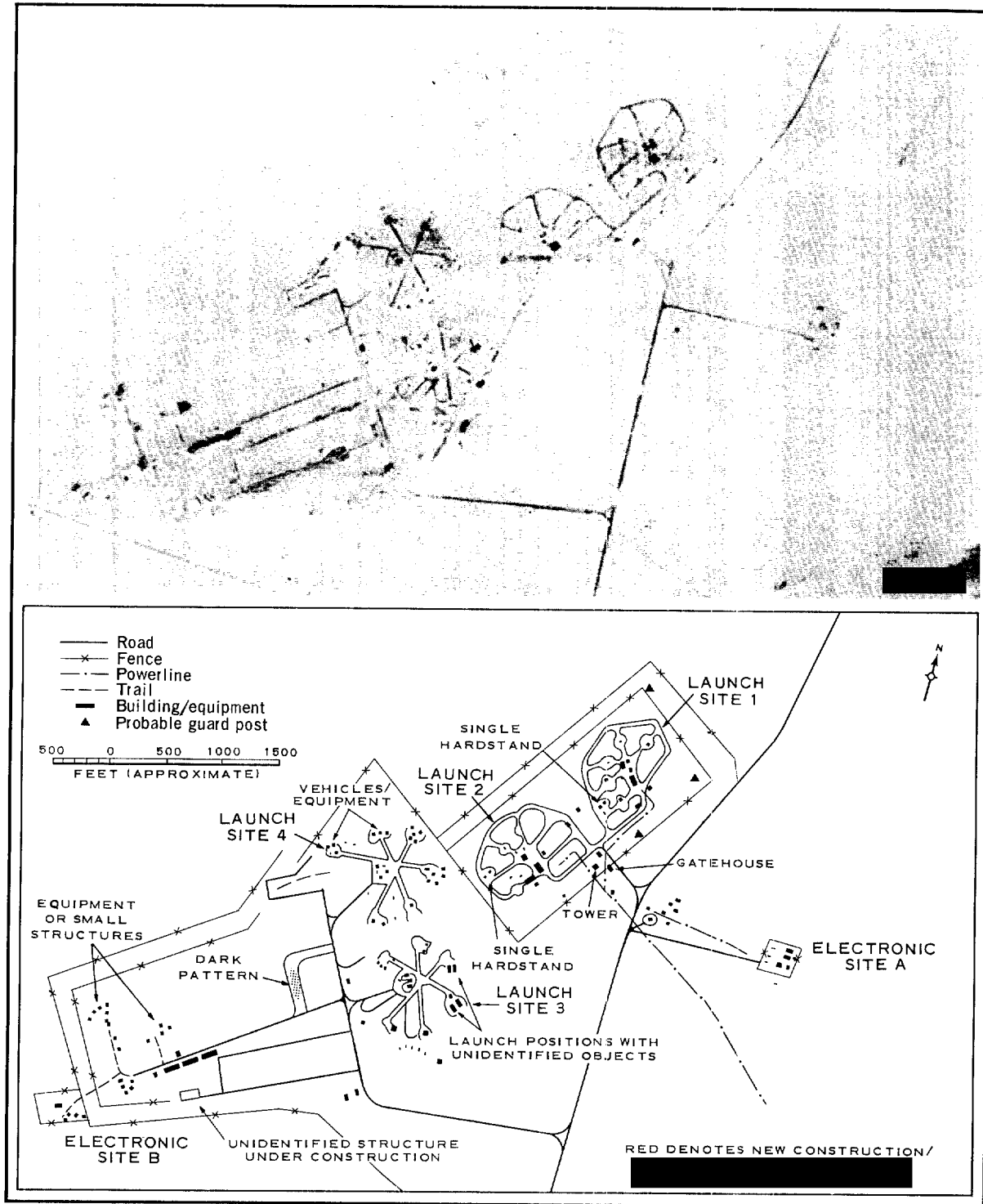


FIGURE 3. LAUNCH COMPLEX A -- LAUNCH SITES 1-4, AND ELECTRONIC SITES A AND B, [REDACTED]

NPIC J-0104 (5/64)

NPIC/R-328/64

25X1D 25X1D 25X1D

25X1D

Launch Sites 3 and 4 and Electronic Site B
(Figure 3)

Review of Large Objects at Launch
Sites 3 and 4

25X1D

25X1D

Launch Site 3. Site 3 was active in [REDACTED]

[REDACTED] Several new road
spurs which were not present in [REDACTED] are dis-
cernible at the site through the snow. In addi-
tion, two roads have been constructed toward
Electronic Site B from a point near Site 3, one
road terminating in an unidentified structure
under construction, possibly a revetment. The
placement of the two approximately 50- by 20-
foot unidentified objects on each of two launch
positions remained unchanged from [REDACTED]

[REDACTED] During this period, certain of
the small vehicles/pieces of equipment on the
other four launch positions shifted position.
Several vehicles/pieces of equipment remain in
the central guidance area and on the terrain ad-
jacent to the launch positions.

Launch Site 4. Site 4 was active in [REDACTED]

[REDACTED] A new, generally
rectangular road pattern, constructed since
[REDACTED] is just southwest of Site 4 and is
connected with the access road to the site. In
[REDACTED] the six
launch positions and the central area were oc-
cupied by varying numbers of vehicles/pieces of
equipment, but with only minor changes since
[REDACTED]

Electronic Site B. Minor shifting of ve-
hicles/pieces of equipment was observed from
[REDACTED] along and near the
L-shaped road pattern.

A small unidentified road- and trail-served
facility (not shown on graphic) is situated 2,400
feet southwest of Electronic Site B and was first
identified on photography of [REDACTED] It did
not exist in [REDACTED] and was probably not
present in [REDACTED] It is comprised of ap-
proximately 15 very small structures or
vehicles.

Utilizing all available coverage, a review
has been made of the approximately 50- by 20-
foot unidentified objects at Launch Sites 3 and 4.
These two sites, which were not present in [REDACTED]

[REDACTED] were first observed under construction in [REDACTED]
[REDACTED] Photography of [REDACTED]

[REDACTED] was not sufficiently clear to
determine whether or not the objects were pres-
ent at that time. The first photography distinct
enough to confirm their presence was dated [REDACTED]

[REDACTED] at which time two of the dark objects ap-
peared on the outer portion of each of the six
launch positions at Site 3. These objects have
since appeared dark on all available photography
except that of [REDACTED] when all but two ap-
peared light. The 12 objects apparently re-
mained in the same location--on the outer por-
tion of the launch positions--from at least [REDACTED]

[REDACTED] by which time eight of the
objects had disappeared, leaving a pair on each
of two positions. In [REDACTED] the dark area
formed by the two objects appeared wider than
on other coverages. From [REDACTED]
[REDACTED] no change has been discernible in
the two pairs remaining at Site 3.

At Site 3, very small vehicles/pieces of
equipment, showing considerable change in num-
ber and placement, have been observed frequent-
ly in the central guidance area, on the launch
positions vacated by the large objects, on the
inner portion of those positions having the large
objects, on the terrain adjacent to the sites, and
along the site diagonal roads.

As far as can be determined from indistinct
photography, the approximately 50- by 20-foot
objects have not been present at Site 4 when it
was photographed. In several instances, dark
areas were present at the launch positions but

25X1D

25X1D

25X1D

25X1D

25X1D

25X1D

25X1D 25X1D 25X1D 25X1D

NPIC/R-328/64

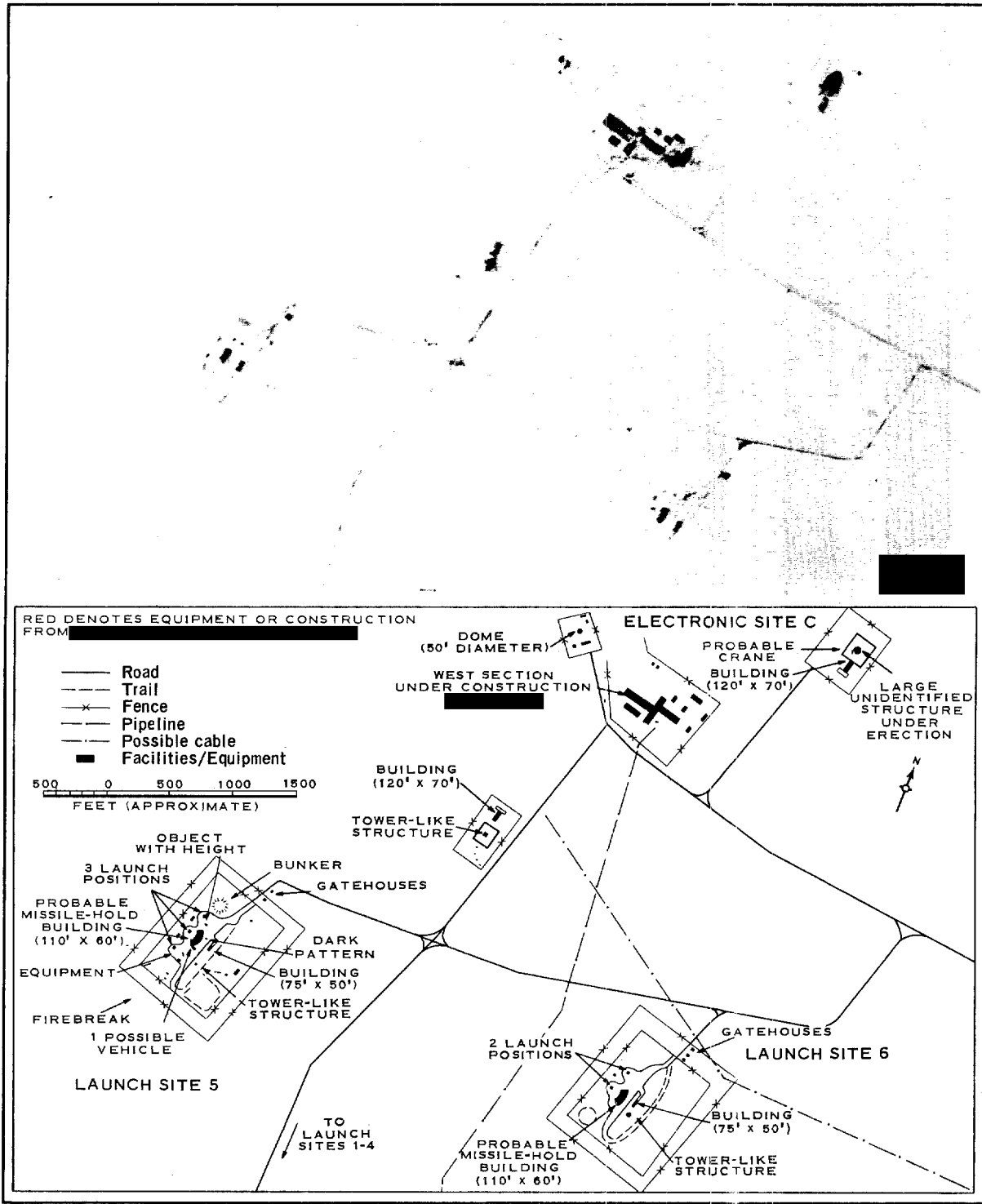


FIGURE 4. LAUNCH COMPLEX A -- LAUNCH SITES 5 AND 6, AND ELECTRONIC SITE C, [REDACTED]

25X1D

25X1D

25X1D

- 4 -

25X1D

NPIC/R-328/64

25X1D
25X1D

these appeared to be clusters of very small vehicles/pieces of equipment rather than the large objects under discussion.

Launch Sites 5 and 6 and Electronic Site C
(Figure 4)

Launch Sites 5 and 6. As far as is discernible through deep snow, facilities at the two sites remained unchanged from [REDACTED]

A number of vehicles/pieces of equipment are present at both sites, including one possible vehicle back of the curved building at Site 5.

Electronic Site C. On [REDACTED] photography, the tower-like structure at the northern extremity of Electronic Site C appeared to have been covered with an environmental shelter, probably dome shaped. More distinct photography of [REDACTED] revealed a large tall structure protruding from what appeared to be scaffolding that was possibly used in the erection of the structure. A probable crane is observed adjacent to the southwest of the structure and is probably the same piece of equipment noted at this site continuously since [REDACTED]. No significant change is discernible in the large central facility from [REDACTED]

It is not possible to determine roof details on the new extension to the modified L-shaped building; however, it would appear that a parapet extends around the roof and divides it into two sections.

25X1D 25X1D
LAUNCH COMPLEX B
(45-59-[REDACTED]N 72-31-[REDACTED]E)

Support Area

No significant change was observed in the Support Area of Launch Complex B (Figure 5) from [REDACTED]

Launch Area and Building Triad*

Facility A. This facility was completely snow covered on [REDACTED] photography, permitting identification only.

Facility B. In addition to the dark object normally positioned in the center of pads B-1 and B-2, and several very small objects nearby, photography of [REDACTED] shows a second dark pattern or area on pad B-1 and several additional dark patterns on pad B-2. The dark area on pad B-1 might be caused by shadows cast by the rim of the facility or by snow blown from the rim. Nonstereo coverage limits details on this facility.

HEN ROOST ANTENNAS

25X1D (Figure 6) 25X1D
25X1D

HEN ROOST Antenna North

(45-56-[REDACTED]N 73-38-[REDACTED]E)

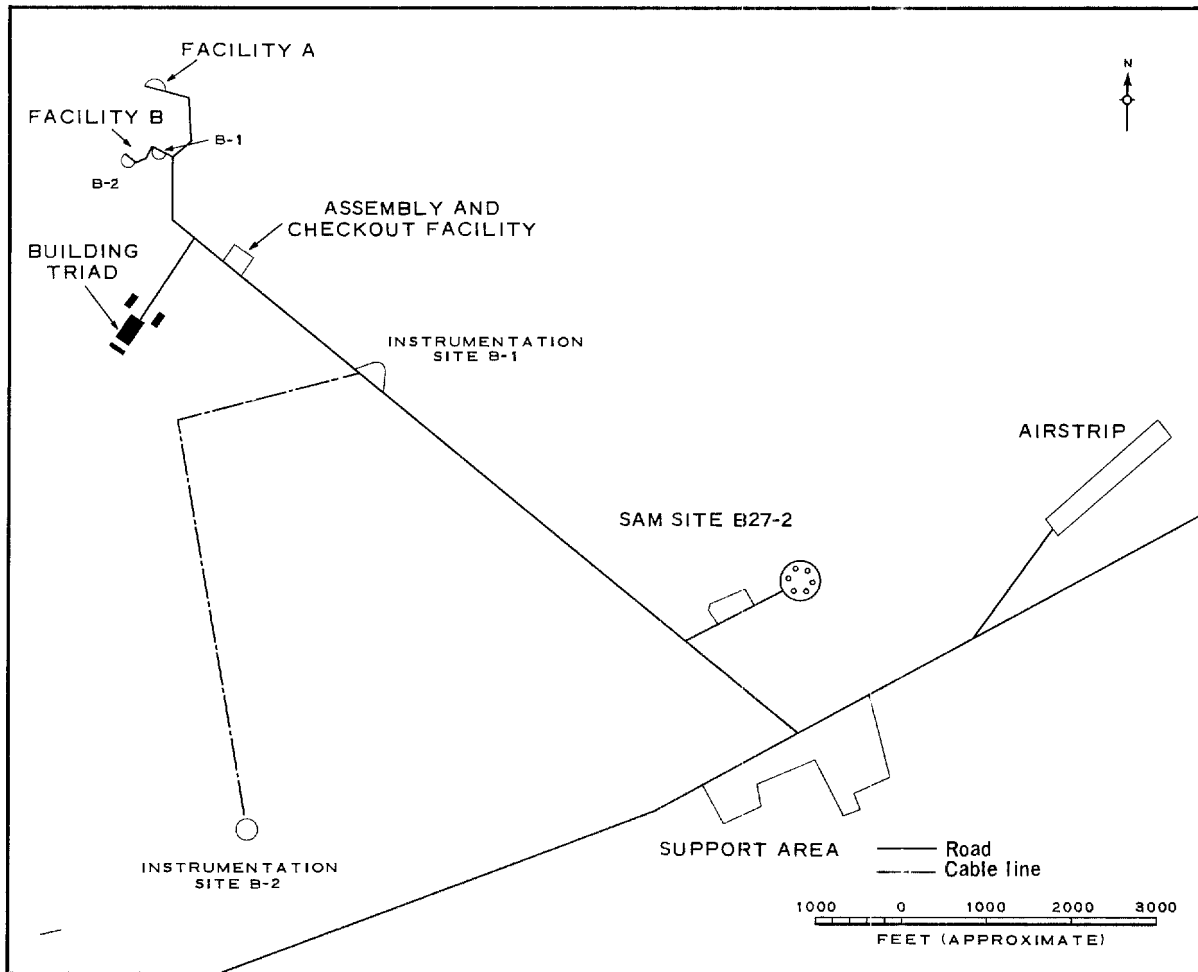
Exterior construction appears complete on the approximately 160-foot building parallel to and just east of the control building, first observed under construction in [REDACTED]. Configuration details are not possible; however, it appears to be a single building and not two separate buildings. No other significant change is observed in the site facilities which are discernible through heavy snow. Relatively extensive ground discoloration at this site would appear to indicate a greater degree of activity here than at HEN ROOST Antenna South.

*Construction development or changes occurring at the building triad sites at Launch Complex B, Instrumentation Sites 2 and 10, and Possible Instrumentation Site 13 from [REDACTED] are described in Table 2.

25X1D

25X1D

NPIC/R-328/64



NPIC J-0106 (5/64)

25X1D 25X1D 25X1D

FIGURE 5. LAUNCH COMPLEX B.

HEN ROOST Antenna South
(45-55-█ N 73-38-█ E)

Facilities discernible in the snow do not appear to have changed since █. The three small, square structures which appeared immediately east of and parallel to the reflector screen or base between █ are not visible through the snow in █.

25X1D 25X1D

Housing and Support Area

Facilities did not change significantly from █. The motor pool is

observed in varying degrees of occupancy on every coverage during that period.

25X1D
25X1D

25X1D

DIRT STRIP
(45-55-█ N 73-27-█ E)

Between █ the 16,500- by 1,500-foot dirt strip had been cleared of snow to a width of 540 feet, but had been subsequently covered by snow again. The snow cover over approximately 3,300 feet of the west-central end of the strip showed indications of usage since the strip was last cleared. Activity was observed at the rectangular area

25X1D

NPIC/R-328/64

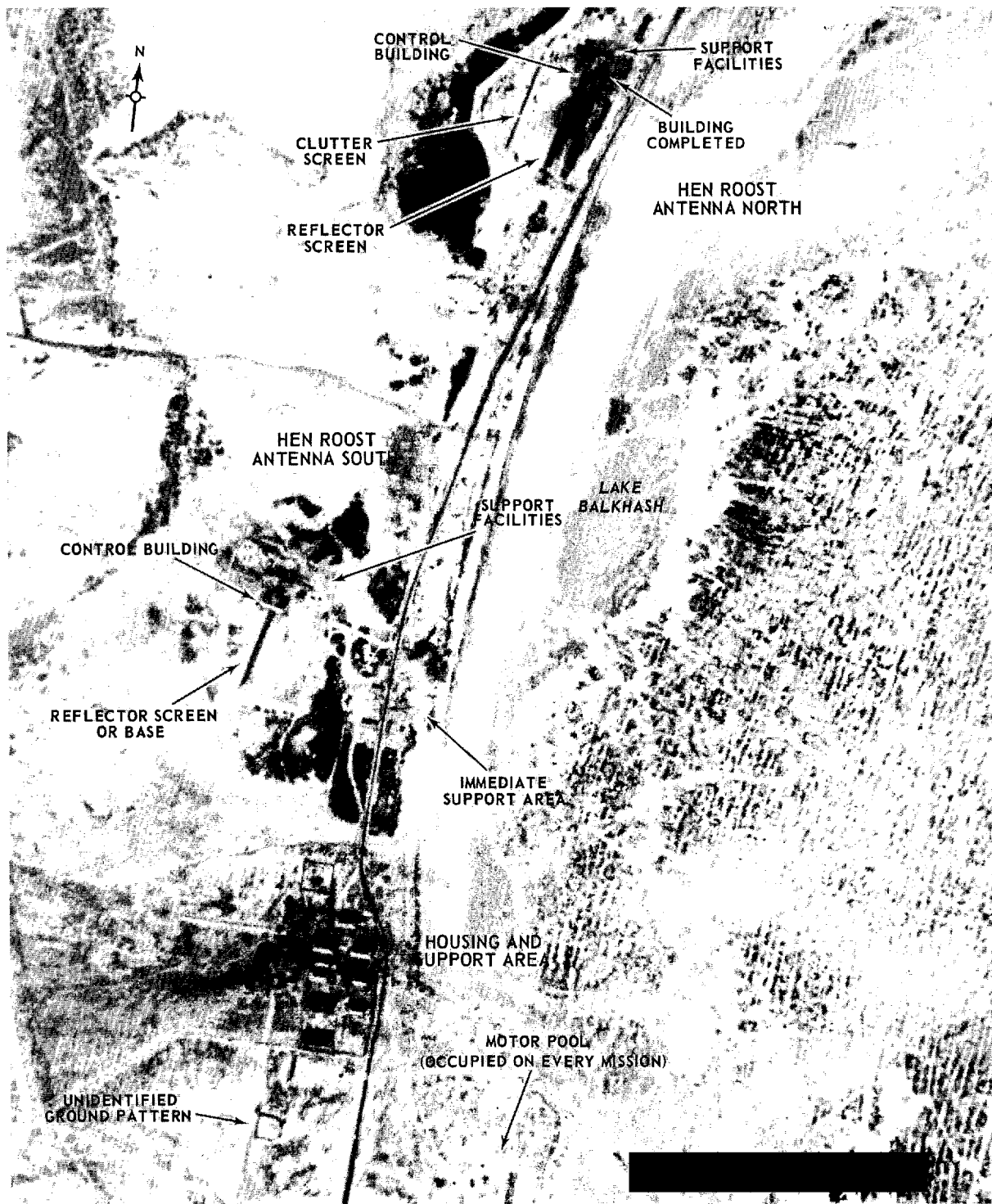


FIGURE 6. HEN ROOST ANTENNAS, [REDACTED]

NPIC J-0107 (5/84)

25X1D

25X1D

NPIC/R-328/64

25X1D

25X1D

north of the center of the strip, and several small structures were added from [REDACTED] to [REDACTED]. During this time, four very small unidentified objects appeared just northeast of this area.

25X1D

25X1D

SAM TRAINING CENTER
(45-25- [REDACTED] N 73-24- [REDACTED] E)

25X1D

25X1D

Since [REDACTED] the SAM Training Center (Figure 7) has been covered by photography of one mission, [REDACTED] with snow conditions prevailing. The three launch sites within the rectangular area showed considerable activity at that time. Only a minor degree of

activity was observed at the launch site to the north and the probable launch site to the south of this area. Extensive trackage and road clearance were observed at the site. Activity in the support areas east of the launch sites consisted primarily in a rearrangement of the facilities that existed in [REDACTED] and in the addition of several new buildings, as shown in Figure 7.

Two other areas of activity were noted. One was an unidentified irregular dark pattern in the snow in an isolated area approximately 22 nautical miles (nm) west-southwest of the training center; possible association with the center cannot be determined. The other was trackage along the road from the training center to the

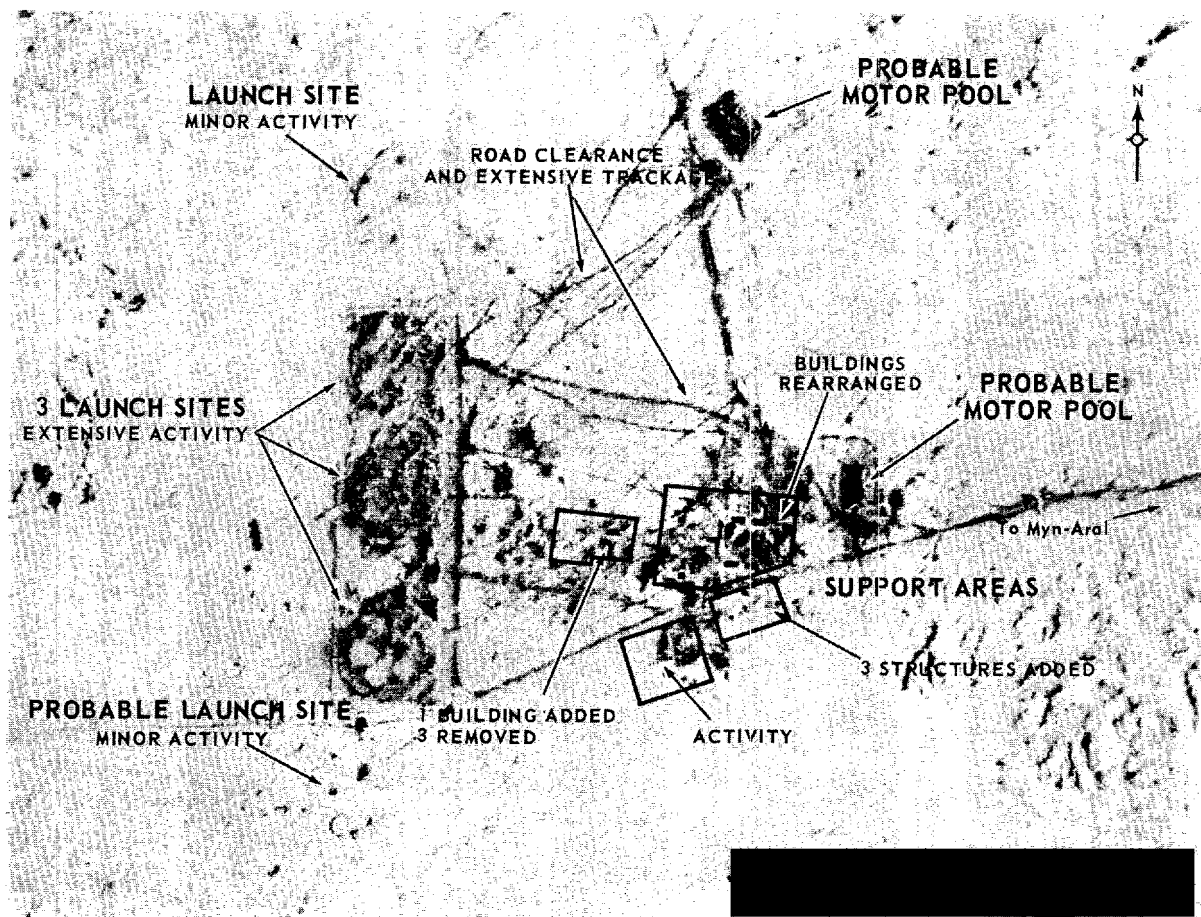


FIGURE 7. SAM TRAINING CENTER, [REDACTED]

NPIC J-0108 (5/64)

25X1D

25X1D

NPIC/R-328/64

25X1D

25X1D

rail line at Myn-Aral which becomes very heavy just west of the rail line.

25X1D

25X1D

INSTRUMENTATION SITE 1

(45-52- N 73-37- E)

No significant change was discernible in the interferometer or the support area at Instrumen-

tation Site 1 (Figure 8) from [REDACTED]

[REDACTED] and facilities appeared unchanged in the western tracking station, also.

Just east of this station, however, a second tracking station has been identified under construction. Major components of this new facility include two multistory buildings, each 90 by 80 feet, with a separation distance of 620 feet. In

25X1D

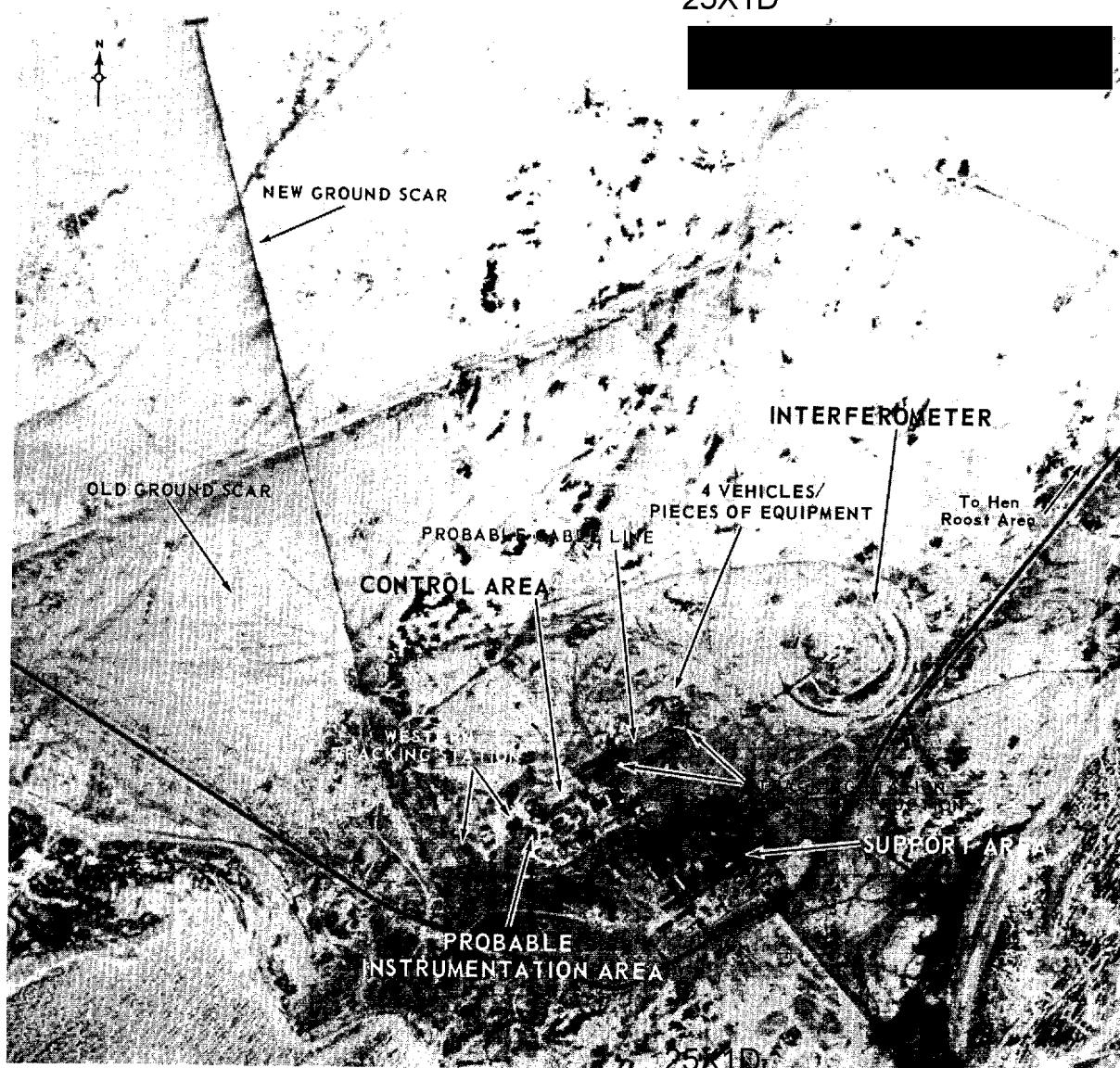
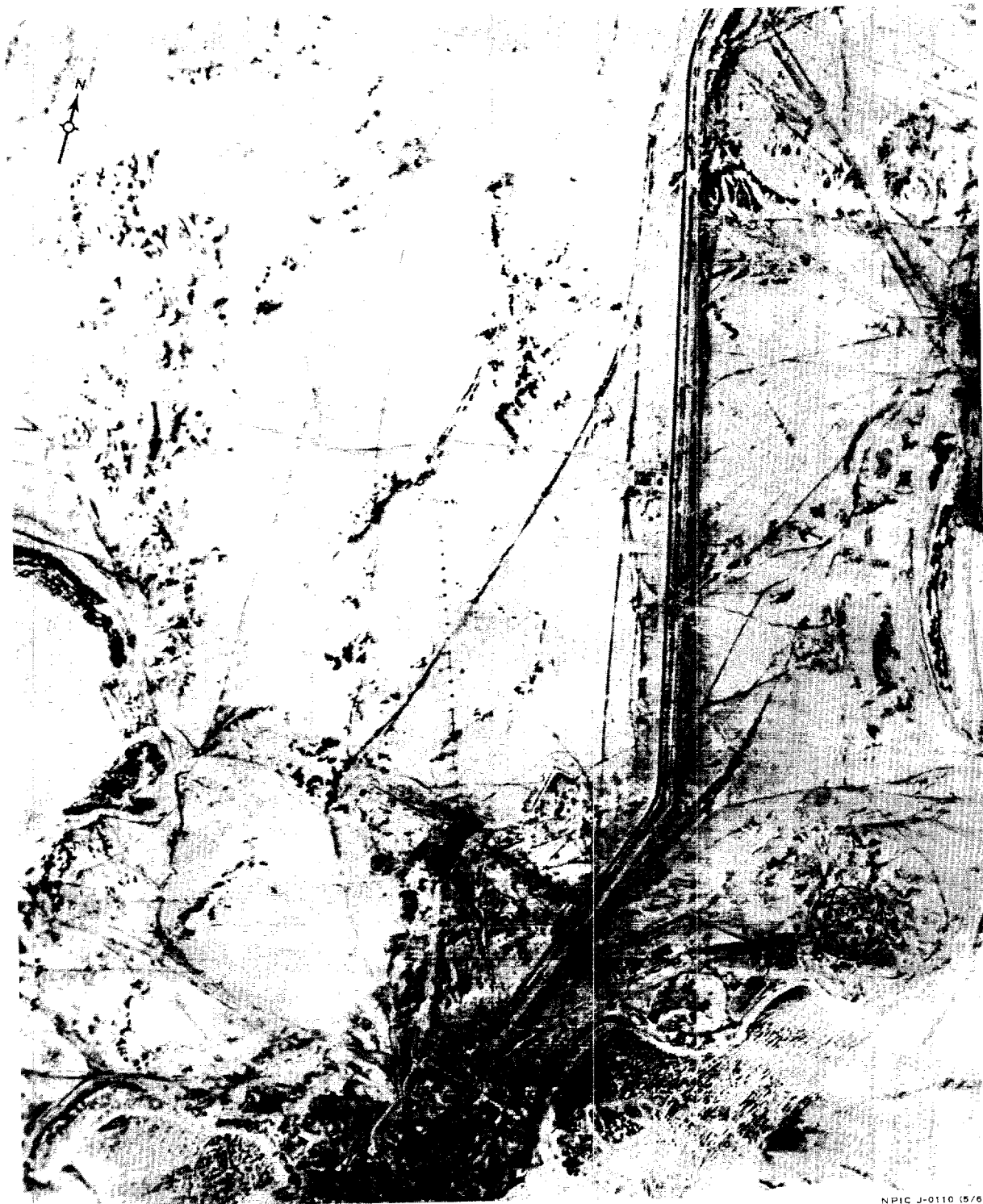


FIGURE 8. INSTRUMENTATION SITE [REDACTED]

NPIC J-0109 (5/64)

NPIC /R-328/64



NPIC J-0110 (5/64)

FIGURE 9. INSTRUMENTATION SITE 2, [REDACTED]

NPIC R-328/64

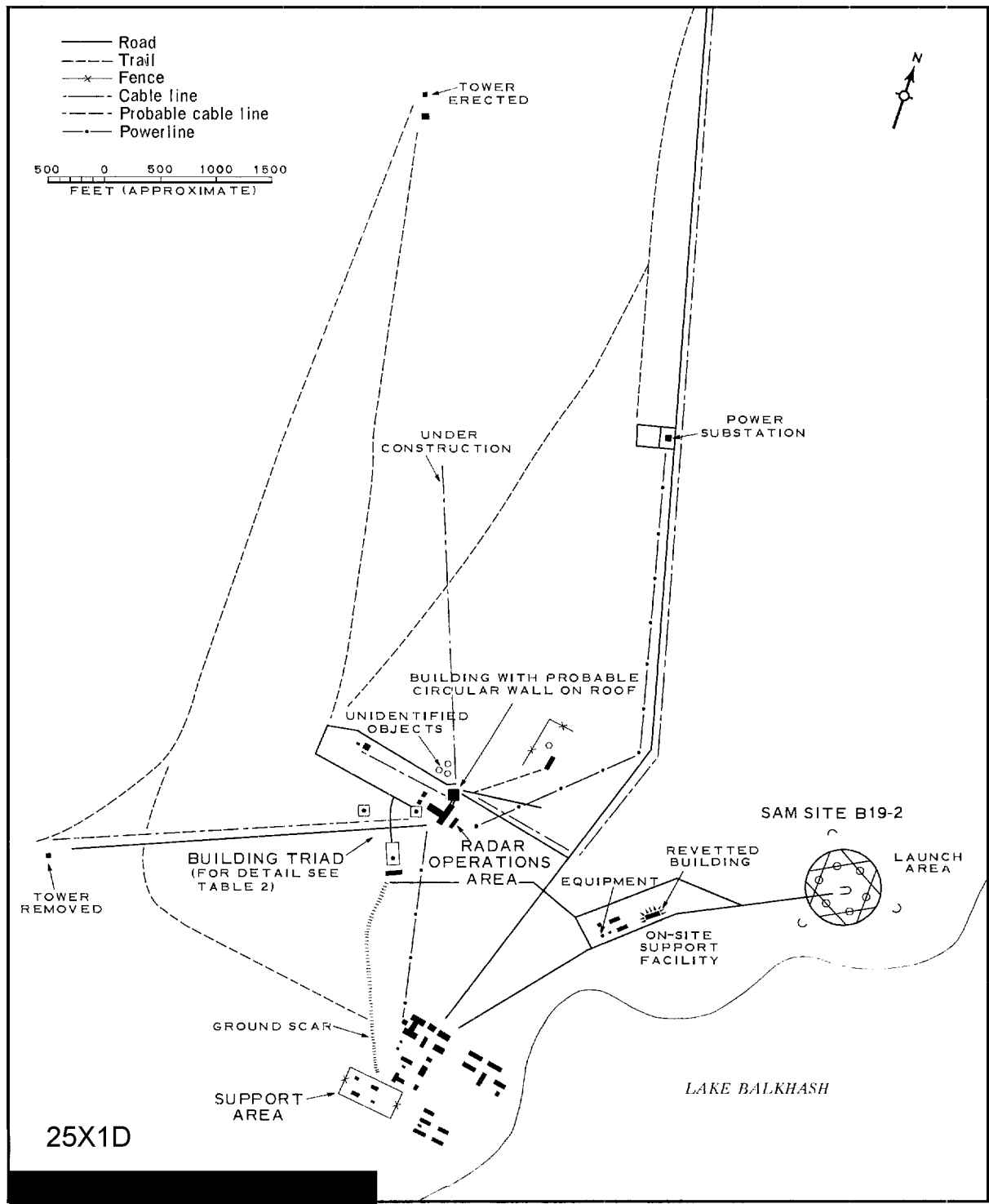


FIGURE 10. INSTRUMENTATION SITE 2, [REDACTED]

NPIC J-0111 (5/64)

25X1D

NPIC/R-328/64

25X1D 25X1D
25X1D

25X1D

the eastern building of this tracking station appeared complete, or nearly so, with an object on the roof. This object appeared generally circular on photography of

During this period, four previously noted vehicles/pieces of equipment remained positioned close to the north side of the building, a probable cable line was constructed

between the two buildings, and several very small structures appeared in the area. In an excavation for the western building was apparent, having a slim dark structure, possibly a support, in its approximate center. Building construction continues through but current status cannot be ascertained.

Sometime between

25X1D

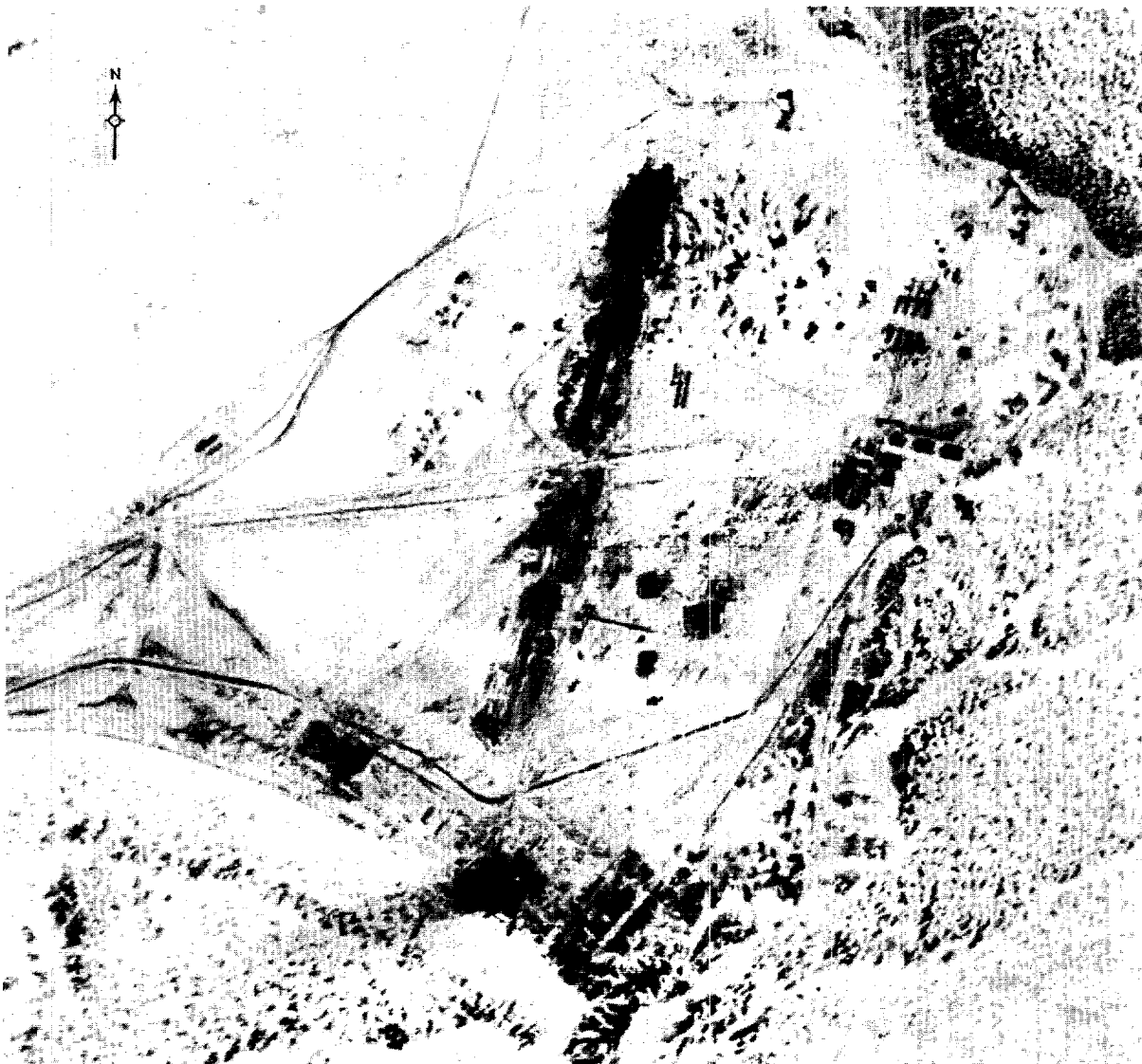


FIGURE 11. POSSIBLE INSTRUMENTATION SITE 13,

NPIC J-0112 (5/64)

25X1D

NPIC/R-328/64

25X1D

25X1D

25X1D 25X1D

██████████ a dark ground scar appeared, extending from a point close to the northwest boundary of the site in a northerly direction for a distance of approximately 10,500 feet. The scar terminates at a position having no identifiable structure. Another ground scar, observed to terminate at the same point in ██████████ was covered by snow in ██████████

INSTRUMENTATION SITE 2

(45-47-██ N 73-35-██ E)

No change was evident in the support area at Instrumentation Site 2 (Figures 9 and 10) from ██████████ One additional piece of equipment is noted in the SAM On-Site Support Facility in that period. A self-sup-

25X1D

25X1D

25X1D

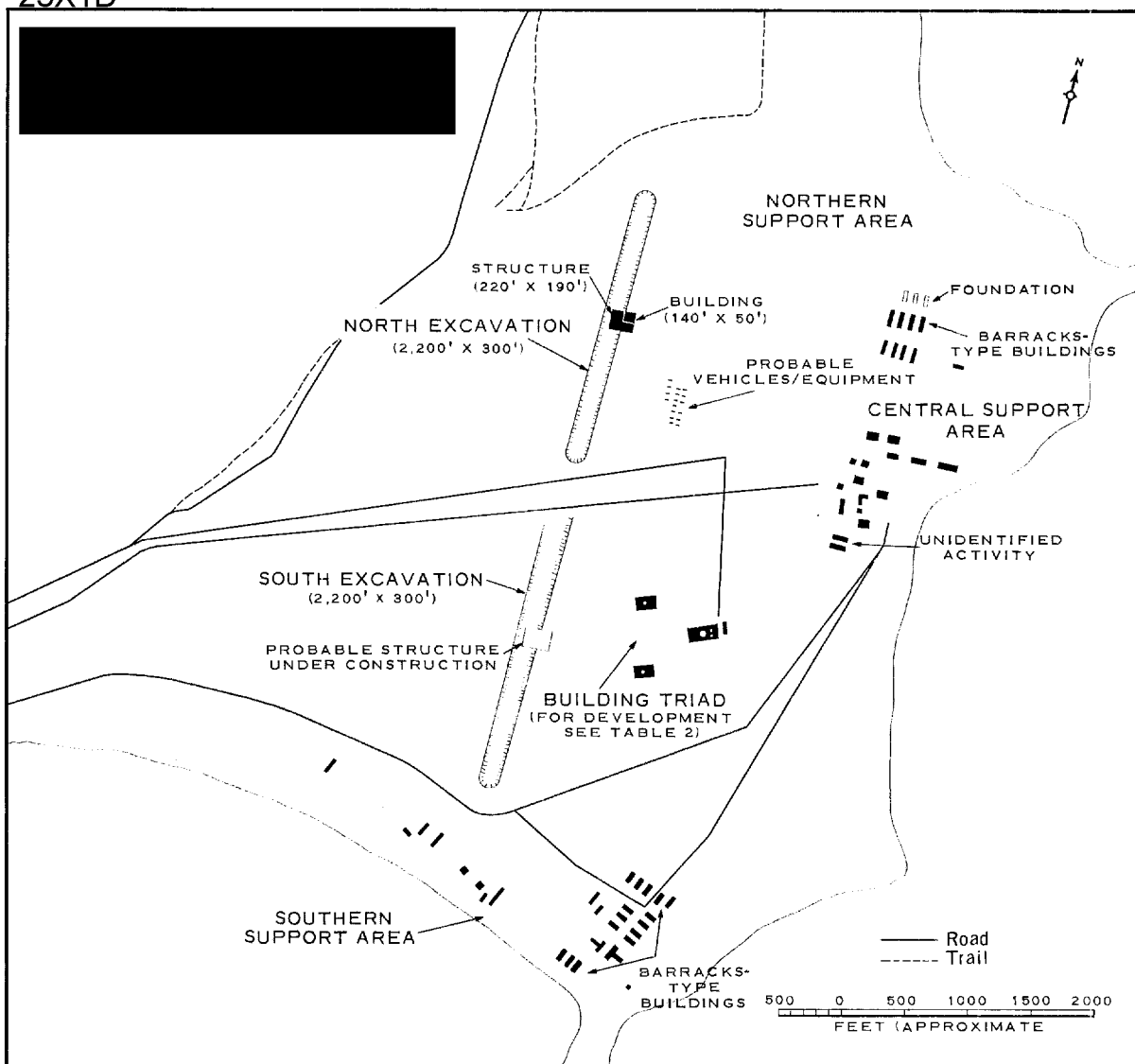


FIGURE 12. POSSIBLE INSTRUMENTATION SITE 13, ██████████

NPIC J-0113 (5/64)

25X1D

NPIC/R-328/64 25X1D 25X1D
25X1D 25X1D 25X1D
25X1D 25X1D

25X1D 25X1D
25X1D

porting lattice-type tower (approximately 450 feet in height) was located 4,100 feet west of the modified L-shaped building from [REDACTED] to [REDACTED]. A probable cable line extended from this building through the building triad area to the tower. This tower had been removed by [REDACTED] and a self-supporting lattice-type tower (approximately 295 feet in height) was observed at the same time approximately 8,400 feet north-northwest of the modified L-shaped building. This new tower was not present in [REDACTED]. A small building was observed at the new tower site in [REDACTED] and is still present. The new tower is just east of an extended perpendicular to a line connecting the two small buildings of the triad.* A probable cable line to the new tower was observed under construction in [REDACTED]. A trail in the snow extends from the site of the old tower to the new tower.

25X1D

Photography of [REDACTED] revealed a large dark object on the roof center of the approximately 135- by 125-foot building just north of the modified L-shaped building. By [REDACTED] what appeared to be a relatively thick, high, circular wall, approximately 100 feet in diameter, was apparent on the roof of this building. Centered within this circular wall and apparently positioned on the roof is a dark object. At the site where two unidentified light-toned objects were observed on [REDACTED] photography, three light-toned objects of varying sizes, possibly shelters, were observed in [REDACTED].

25X1D 25X1D

*Construction development or changes occurring at the building triad sites at Launch Complex B, Instrumentation Sites 2 and 10, and Possible Instrumentation Site 13 from [REDACTED] are described in Table 2.

INSTRUMENTATION SITE 10 (46-57- [REDACTED] N 72-32- [REDACTED] E)

The support and operational areas at Instrumentation Site 10 show no apparent change in facilities from [REDACTED]. Developments at the building triad are described in Table 2.

25X1D 25X1D 25X1D
25X1D

POSSIBLE INSTRUMENTATION SITE 13 25X1D (46-35- [REDACTED] N 74-31- [REDACTED] E)

At Possible Instrumentation Site 13 (Figures 11 and 12), two of the three support areas have been expanded since [REDACTED]. In the northern support area, four new building foundations were observed from [REDACTED]. By [REDACTED] exterior construction of these four barracks-type buildings appeared complete, and three additional building foundations were under construction. The central support area remained unchanged except for unidentified activity relating to two small probable structures at its southern end. In the southern support area, seven buildings and one foundation were constructed from [REDACTED] by [REDACTED] the eighth building seemed complete. All appeared to be barracks type.

Extensive development has taken place since [REDACTED] in the area just north-northwest and west of the building triad.* At the northern site, initial activity was observed in [REDACTED] by [REDACTED] of that year, continuing activity had resulted in a linear strip that measured approximately 2,200 by 100 feet situated at the bottom of a 2,200- by 300-foot excavation having a large possible structure under development at its center. Photography of [REDACTED] revealed extensive construction work along the full length of the northern excavation, which was

25X1D

25X1D 25X1D 25X1D 25X1D

25X1D 25X1D

TOP SECRET CHESS RUFF

Approved For Release 2000/05/09 : CIA-RDP78B04560A002300010011-1

25X1D

NPIC/R-328/64

25X1D

25X1D

of undetermined depth. At the center of the excavation the possible structure could be confirmed as a structure measuring approximately 220 by 190 feet and having a rectangular building approximately 140 by 50 feet on top of or adjacent to it. Both of these continued under construction in [REDACTED]

In [REDACTED] the snow had been cleared and work was continuing along the northern linear excavation. An undetermined number of probable vehicles/pieces of equipment were parked just to the east.

A second linear excavation was in the initial stage of development to the south of the first in [REDACTED]. It measured approximately

2,200 by 300 feet and snow had been removed from the northern portion of it. Sometime between [REDACTED] work was begun on a probable structure at the approximate center of this excavation, and excavation work and snow removal were noted along the full length of the site at the later date. Both of the linear excavations are oriented on an azimuth of [REDACTED]

Unusual ground scarring or trackage in the snow has appeared in the general vicinity of Site 13 since [REDACTED] (Figure 13). These ground scars, three in number, originate at points 4 nm west-southwest, 2 nm north, and 8.5 nm northwest of Site 13 (the last mentioned point

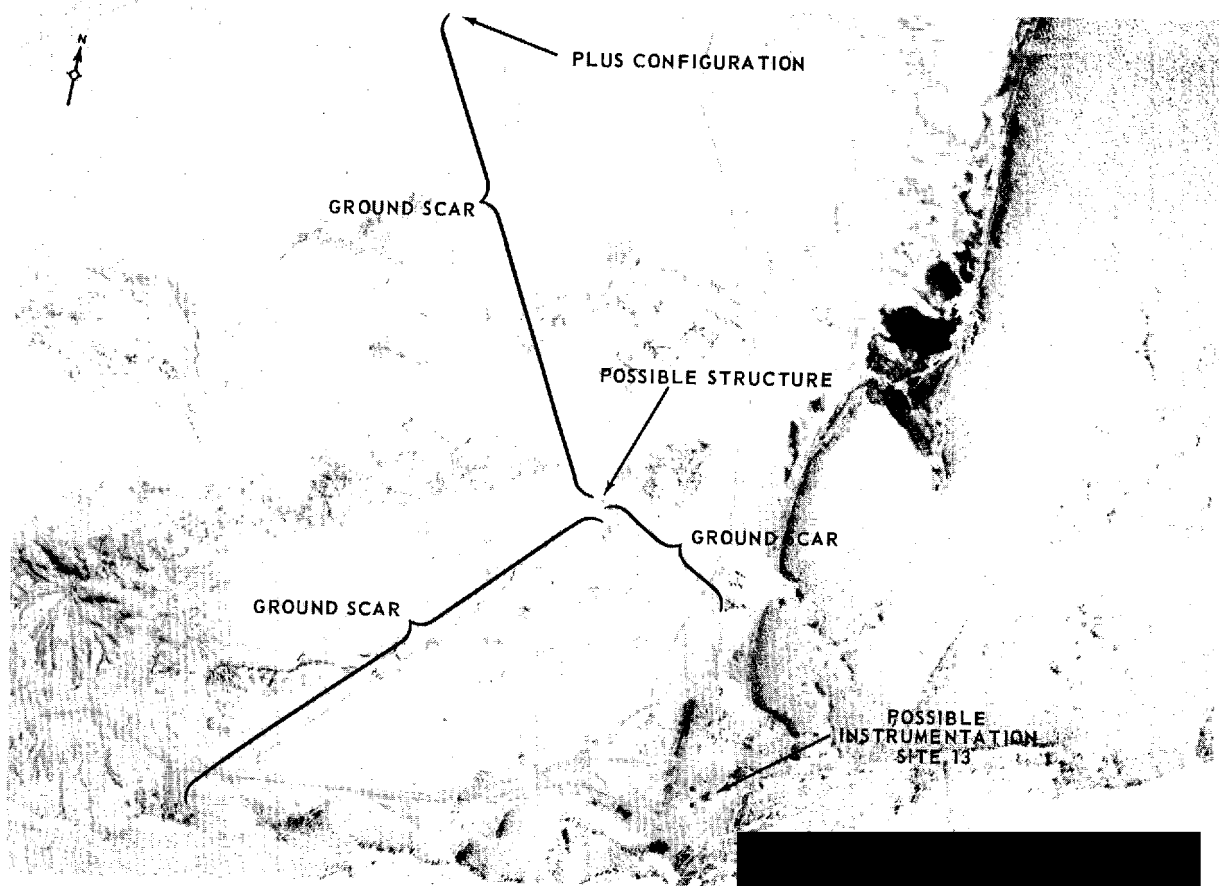


FIGURE 13. POSSIBLE INSTRUMENTATION SITE 13 AND ADJACENT AREA, [REDACTED]

NPIC J-0114 (5/64)

25X1D

25X1D

Approved For Release 2000/05/09 : CIA-RDP78B04560A002300010011-1

TOP SECRET CHESS RUFF

NPIC/R-328/64



FIGURE 14. POSSIBLE INSTRUMENTATION SITE 14, [REDACTED]

NPIC J-0115 (5/64)

NPIC/R-328/64

25X1D

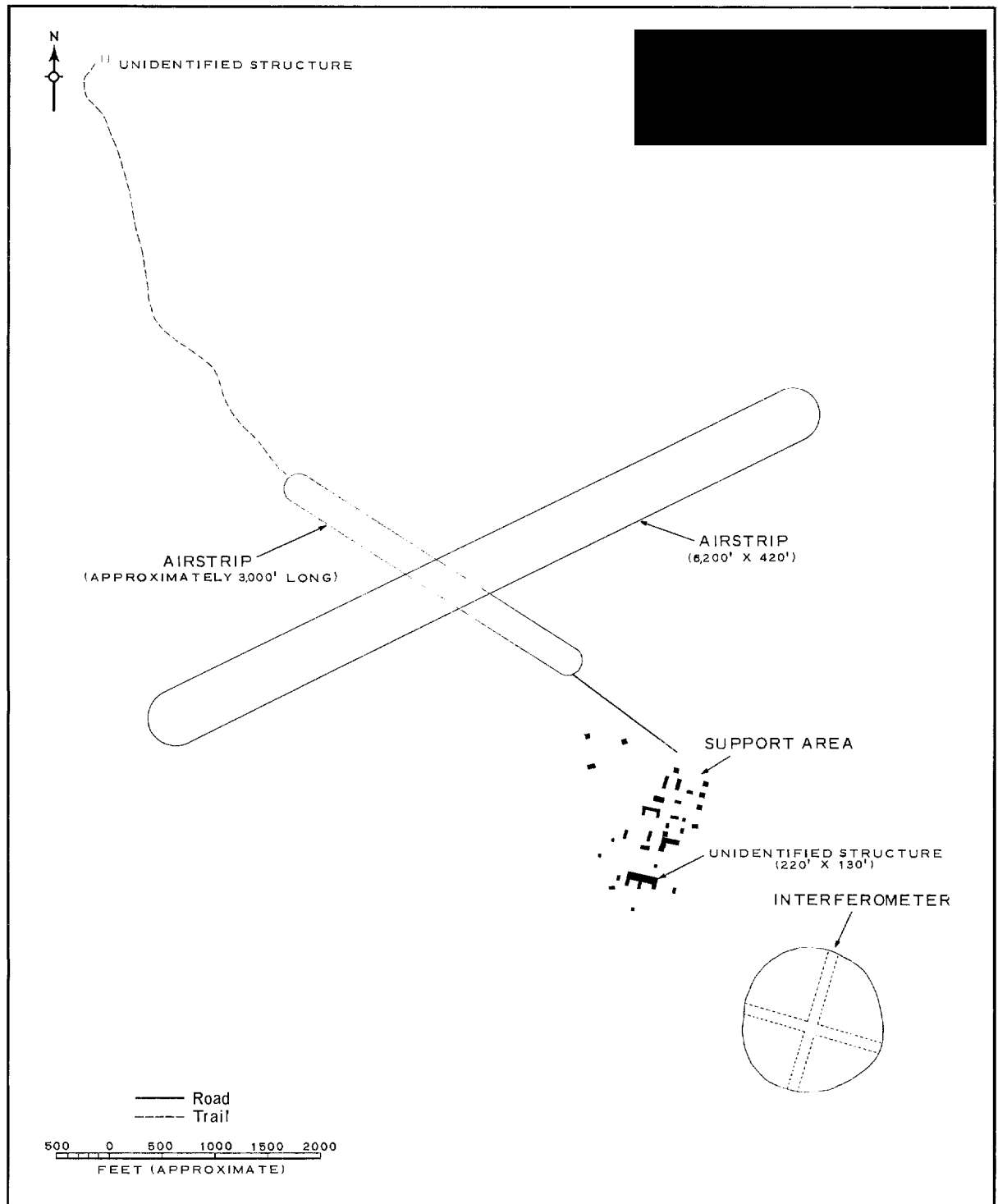


FIGURE 15. POSSIBLE INSTRUMENTATION SITE 14, [REDACTED]

NPIC J-0115 (5/64)

25X1D

NPIC/R-328/64

having a plus configuration). All terminate in the same general area, where a possible structure is located. The nature of this activity or its possible association with Site 13 cannot be ascertained.

25X1D

POSSIBLE INSTRUMENTATION SITE 14
(47-07-██ N 69-10-██ E)

Possible Instrumentation Site 14 (Figures 14 and 15) is located 83 nm southeast of Dzhez-

kazgan and 70 nm west-northwest of Instrumentation Site 8. It is road served from Site 8. The site is composed of an interferometer (with 1,000-foot crossarms), two graded-earth airstrips (one 6,200 by 420 feet and oriented east-northeast/west-southwest, the second approximately 3,000 feet in length and oriented northwest/southeast), and a support area with approximately 18 buildings. Just south of the support area is an unusual-appearing rectangular structure measuring approximately 220 by 130 feet. Exact configuration details are not possible;

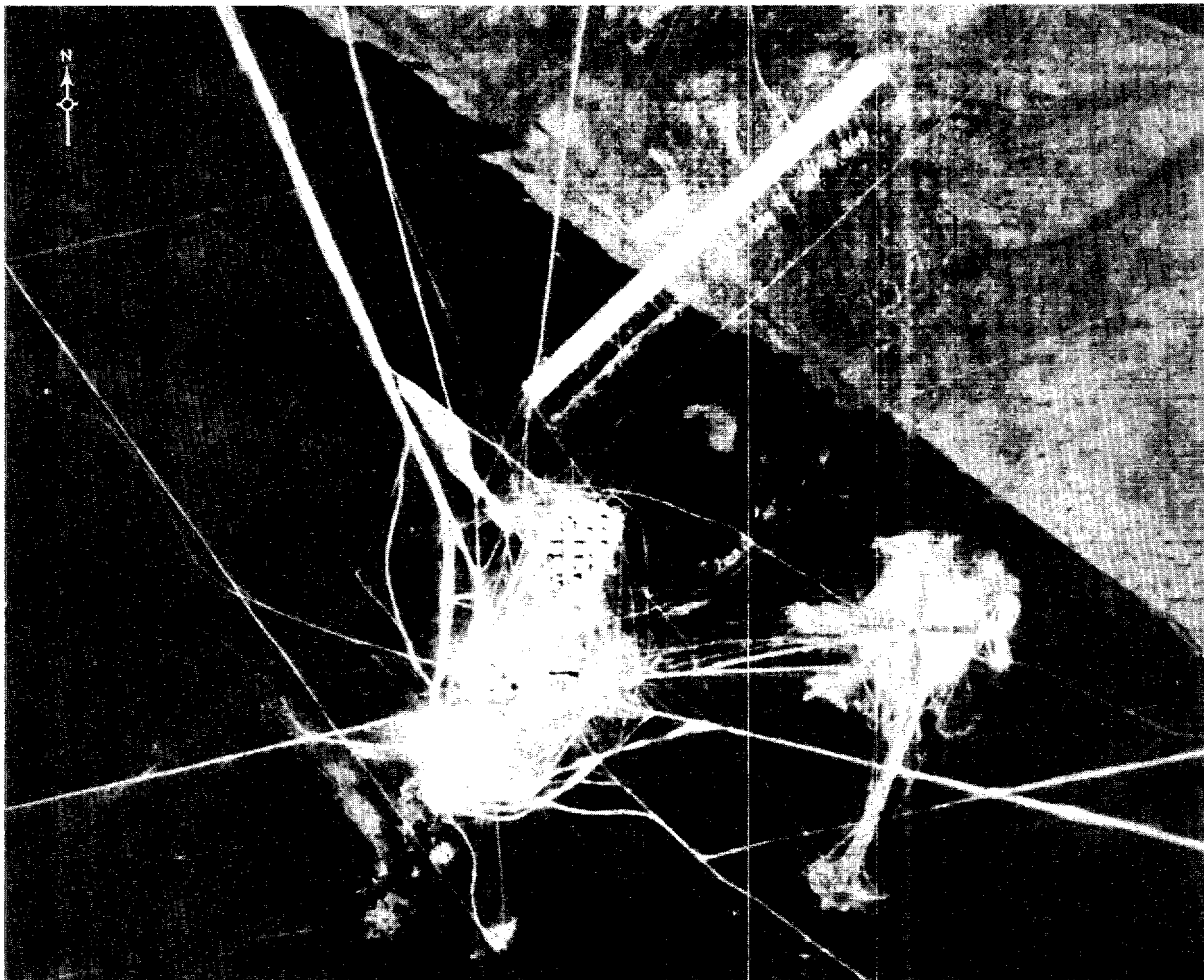


FIGURE 16. POSSIBLE INSTRUMENTATION SITE 15, ██████████

25X1D

NPIC/R-328/64

25X1D

25X1D

25X1D

25X1D

25X1D

however, there appear to be three raised sections or extensions attached to or immediately adjacent to the south side of the building and oriented toward the south-southwest. The structure is 1,820 feet northwest of the interferometer. In the vicinity of the structure are a number of very small unidentified structures.

Site 14 did not exist in [REDACTED] the site consisted of an interferometer in the initial construction stage and approximately seven buildings in the support area. By [REDACTED] the site for the east-northeast/

west-southwest airstrip was being cleared. Work continued at the site so that by [REDACTED] the airstrip, the support area, and the interferometer were complete or nearly so. Construction also progressed on the unusual structure. Photography of [REDACTED] revealed the new second airstrip, which had not been present in [REDACTED] This airstrip was partially cleared of snow. A small unidentified structure was visible in the snow, reached by trail from the northwest/southeast airstrip, which lay 4,170 feet to the south-southeast.

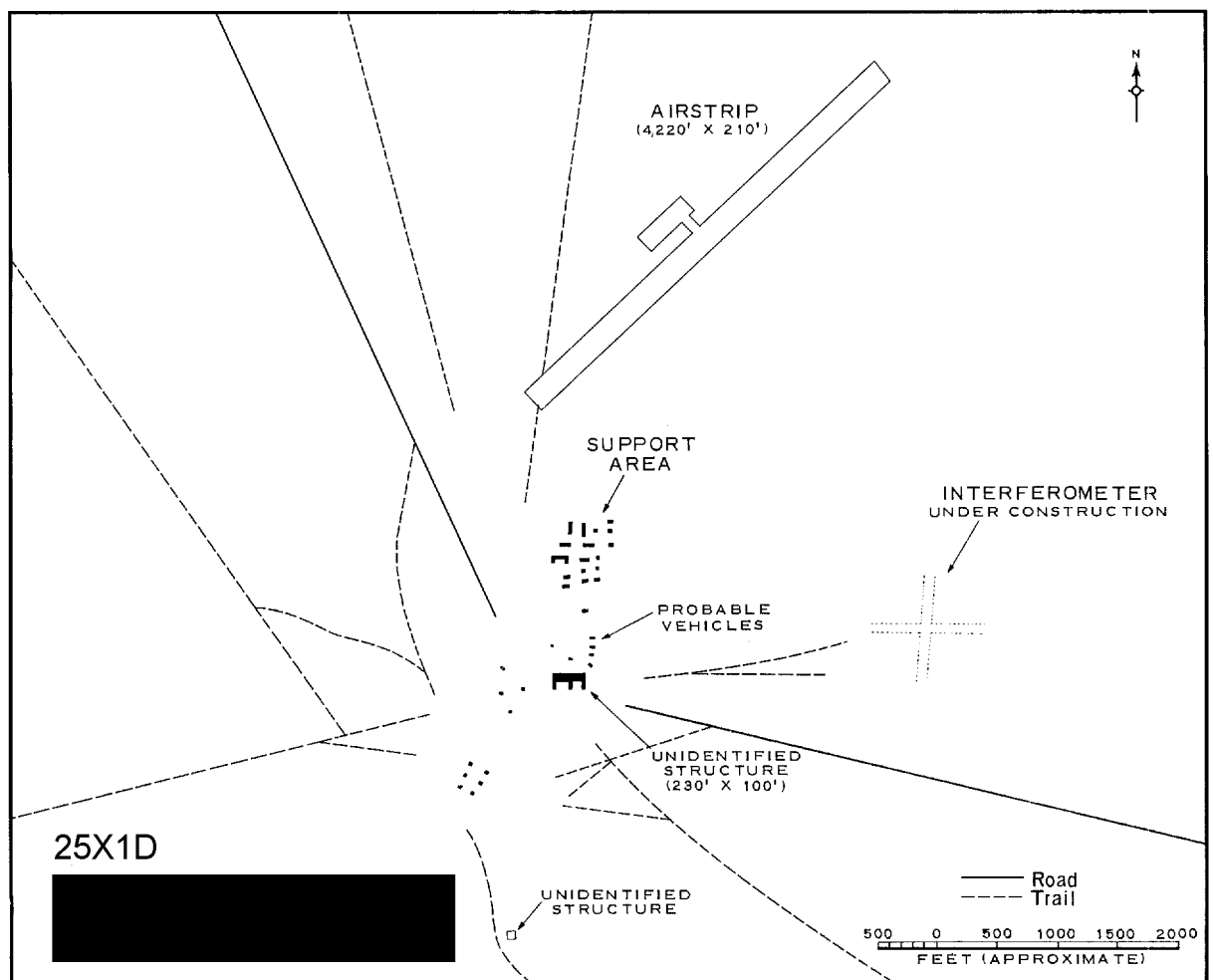


FIGURE 17. POSSIBLE INSTRUMENTATION SITE 15, [REDACTED]

25X1D

NPIC/R-328/64

POSSIBLE INSTRUMENTATION SITE 15
(47-22N 67-25E)

Possible Instrumentation Site 15 (Figures 16 and 17) is situated 31 nm south of Dzhezkazgan and 72 nm west-northwest of Possible Instrumentation Site 14. Possible association is drawn with Sary-Shagan Antimissile Test Center because of similar interferometer configuration and a dissimilarity to interferometers at Tyuratam Missile Test Range instrumentation sites.

The site consists of an interferometer with 1,000-foot crossarms which is still under construction, a graded earth airstrip (4,220 by 210 feet and oriented northeast/southwest), and a support area of approximately 18 buildings of various sizes. The support area is almost identical

with that at Possible Instrumentation Site 14. Just south of the support area is a large unusual-appearing rectangular structure, approximately 230 by 100 feet, which is very similar to the unidentified structure at Site 14. It appears to have a gable roof, possibly with a flat portion across the top center on which very small dark objects are visible. Three building extensions or raised sections are attached to or immediately adjacent to the south side of the building, and are oriented toward the south. This structure is 2,200 feet west of the interferometer. Four probable vehicles and a number of small objects are near the structure. A clearing with a small unidentified structure in it lies 1,100 feet south of the support area.

Although Site 15 existed as early as [REDACTED] it was not possible to determine details.

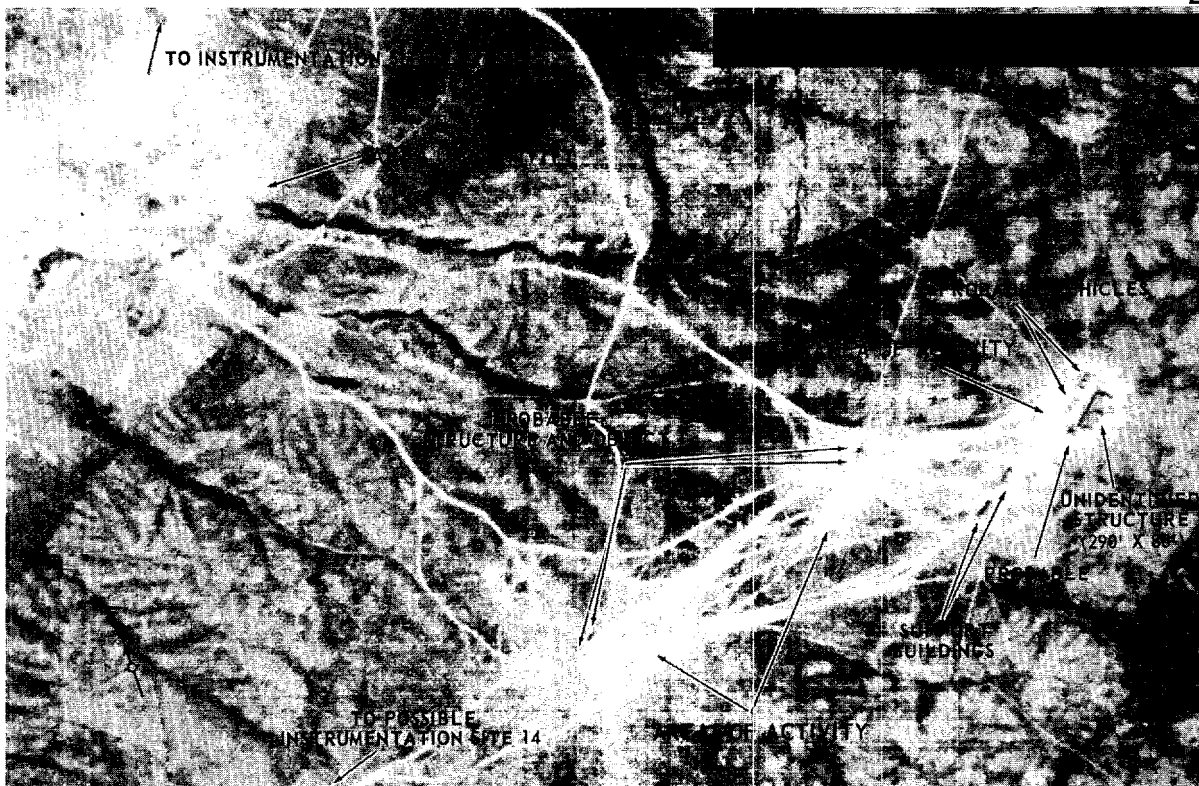


FIGURE 18. POSSIBLE FIELD LAUNCH POINT, [REDACTED]

25X1D

25X1D

NPIC/R-328/64

25X1D

By [REDACTED] considerable track activity was apparent and nine buildings had been constructed in the support area. Sometime between [REDACTED] initial construction work was observed on the interferometer, airstrip, and the 230- by 100-foot structure. By [REDACTED] the airstrip appeared complete, the interferometer was still under construction, nine additional buildings had been added to the support area, and work continued on the unidentified structure. Latest coverage, that of [REDACTED] [REDACTED] revealed no significant change in the support area.

tween [REDACTED] Although interpretation is limited by indistinct imagery, this structure appears to have three extensions or raised sections oriented toward the southeast and to compare favorably with the unusual structures at Possible Instrumentation Sites 14 and 15. The structures were under construction at the three sites at approximately the same time. The only change discernible in facilities at this area through deep snow in [REDACTED] [REDACTED] was the appearance of one additional small structure. The probable vehicles were no longer visible.

25X1D
25X1D

POSSIBLE FIELD LAUNCH POINT
(46-59-[REDACTED]N 70-10-[REDACTED]E)

25X1D

25X1D

25X1D

25X1D
25X1D

A possible field launch point (Figure 18) is located 27 nm west-northwest of Instrumentation Site 8 and 42 nm east-southeast of Possible Instrumentation Site 14; it is road served from both. The site was first observed on photography of [REDACTED] at which time three areas of minor track activity were apparent but no structures were discernible on very indistinct and small-scale photography. By [REDACTED] a fourth area of activity was being cleared on the east side of the facility.

25X1D

25X1D
25X1D

The northern area of activity has not changed substantially from [REDACTED] The three southern areas have been relatively active during this period. A probable structure and object were visible in both the central and western areas in [REDACTED] At the same time the eastern area was composed of an unusual-appearing unidentified structure (approximately 290 by 80 feet), two rectangular support buildings (each 130 by 25 feet), a probable shed, and six probable vehicles close to the unusual structure. The two rectangular support buildings had appeared by [REDACTED] Initial construction of the unusual unidentified structure occurred be-

25X1D

Approved For Release 2000/05/09 : CIA-RDP78B04560A002300010011-1

Approved For Release 2000/05/09 : CIA-RDP78B04560A002300010011-1

25X1D

25X1D

Table 1. Snow Coverage of SSATC Facilities Discussed in This Report Based on

Launch Complex A			Not Covered
Launch Site 1	One launch position, 2 possible launch positions, and a road segment from the central guidance area to one position appeared to have been recently cleared of snow	Service roads largely cleared of snow	
Launch Site 2	Snow covered	Service roads cleared of snow; some snow remains	25X1D
Electronic Site A	Snow covered	Road to site cleared of snow since some snow still on road	25X1D
Launch Site 3	Snow covered	Service roads cleared of snow since but still partially snow covered	25X1D
Launch Site 4	Snow covered	Service roads cleared of snow since some snow remains	25X1D
Electronic Site B	Snow covered	Service roads and new roads in the area cleared of snow since with some snow remaining. Unidentified facility just SW of the site and access roads snow covered	25X1D
Launch Site 5	Snow covered	Access road cleared of snow since but still largely snow covered	25X1D
Launch Site 6	Snow covered	Access road cleared of snow since but still largely snow covered	25X1D
Electronic Site C	Snow covered	Access roads cleared of snow since but still largely snow covered	25X1D
Airstrip	Airstrip and access road snow covered	Strip snow covered; access road largely covered with snow, probably wind blown	
Launch Complex B	Not covered		Not covered
Facility A		Facility and access road completely snow covered	
Facility B		Service and access roads snow covered. See text for possible activity at the site	
Building Triad		See Table 2	
Airstrip		Access road and airstrip snow covered	

Approved For Release 2000/05/09 : CIA-RDP78B04560A002300010011-1
25X1D

Table 1. (Continued)

HEN ROOST Antennas			Not covered	
HEN ROOST Antenna North	Snow covered	Access coastal road and site service roads cleared of snow		25X1D
HEN ROOST Antenna South	Snow covered	Access coastal road cleared of snow		
Dirt Strip (16,500' x 1,500')	Strip, unidentified area north of the strip, and access road, covered by deep snow	Since [REDACTED] strip cleared of snow to a width of 540 ft and road to airfield cleared; both largely snow covered again	Not covered	25X1D
SAM Training Center	Not covered	Snow clearance at launch sites, particularly at 3 sites within rectangular area. Road clearance and extensive trackage at the site and to the rail line at Myn-Aral	Not covered	
Instrumentation Site 1	Snow covered	Access coastal road and certain site roads cleared of snow. Site active	Not covered	
Instrumentation Site 2	Snow covered	Access and service roads cleared of snow. Site active	Not covered	
Instrumentation Site 10	Snow covered	Access road and road to building triad cleared of snow since [REDACTED] Roads and site generally covered by snow drifts	Not covered	
Possible Instrumentation Site 13	Roads snow covered. Snow being removed from portion of south linear excavation	Roads cleared of snow. Site active. Snow removal has taken place along both linear excavations	Not covered	
Possible Instrumentation Site 14	Site and access road heavily snow covered	Not covered	Site and access road snow covered. New NW/SE airstrip partially cleared of snow; old strip barely discernible through snow	
Possible Instrumentation Site 15	Site and access road snow covered. Interferometer and airstrip snow covered	Not covered	Not covered	
Possible Field Launch Point	Heavily snow covered. Service roads discernible through the snow, indicating prior clearance on trackage	Not covered	Not covered	
Unidentified facility near Instrumentation Site 8	Snow covered	Not covered	Snow covered	

NPIC/R-328/64

TOP SECRET CHESS RUFF

TOP SECRET CHESS RUFF

Table 2. Chronology of Activity at SSATC Building Triad Areas from [REDACTED]			
Launch Complex B	Instrumentation Site 2	Instrumentation Site 10	Possible Instrumentation Site 13
Not covered	No significant change in triad discernible through heavy haze. The three buildings are gray in tone, each with an object on the roof. The unidentified parallel structure is relatively light in tone	No change apparent in the triad area since [REDACTED] heavy haze	Site discernible through heavy haze. The two small buildings are gray in tone with a single object on the roof center. The large rectangular building appears half light gray and half dark gray in tone, with one object on the roof center and a second at the rear center of the roof
Not covered	Two small buildings are gray in tone with object on roof center of each. Large rectangular building is gray in tone with a dark object at rear center	Service roads snow covered. At least one of two small buildings has an object on the roof. A large object is positioned on the rear center of the roof of the large rectangular building, and a small object on front center. Three buildings and unidentified structure are snow covered	Site snow covered, including three buildings. One and possibly two additional very small objects on the roof of both small buildings, as well as the single small object observed in [REDACTED]. One-third of the large rectangular building is gray in tone; the remaining two-thirds is light in tone. There appears to be one additional object or indication of activity on SE corner of the roof since [REDACTED] as well as the two present in [REDACTED]. What was thought to be a possible calibration point has now been removed in favor of the linear excavation. A ground scar has been constructed from the triad area to a point close to the center of the south excavation. Miscellaneous vehicles/pieces of equipment have appeared at the site since [REDACTED]
Service roads and road from support area partially covered with snow, possibly wind-blown snow. One small building is white in tone, the second is gray; both with an object on the roof. Roof of large rectangular building has a mottled gray/white appearance; dish or disclike object on the roof in [REDACTED] appears to remain, but details are not possible	Roof objects on the two small buildings appear changed in configuration since [REDACTED]. They are flatter and of irregular shape. The large rectangular building appears unchanged except for the appearance of a small dark pattern or object on both sides of the roof object and an additional object close to the NE corner of the building	Access road to site largely snow covered although apparently cleared of snow since [REDACTED] deep snow drifts at site. Two small buildings dark in tone; at least one has an object on the roof. Large object on the roof of the large rectangular building remains; building is half dark and half gray in tone with a narrow dark area along the sides. Unidentified structure is dark in tone	Site snow covered and active. The two small buildings are too dark in tone to ascertain changes. The large rectangular building remains one-third gray and two-thirds light in tone. Three dark objects or areas of activity are observed on the roof. A minor shifting of equipment has taken place since [REDACTED] at the site
Not covered	Not covered	Not covered	Not covered

25X1D

Approved For Release 2000/05/09 : CIA-RDP78B04560A002300010011-1

Approved For Release 2000/05/09 : CIA-RDP78B04560A002300010011-1

NPIC/R-328/64

REFERENCES (Continued)

MAPS OR CHARTS

- ACIC. WAC 245, 4th ed, Dec 56, scale 1:1,000,000 (UNCLASSIFIED)
- ACIC. USAF Operational Navigation Chart, ONC-F-6, 1st classified edition, scale 1:1,000,000 (CONFIDENTIAL)
- ACIC. USAF Operational Navigation Chart, ONC-F-5, 1st classified edition, scale 1:1,000,000 (CONFIDENTIAL)
- ACIC. US Air Target Chart, Series 200, Sheet 0245-9AL, 2d ed, May 61, scale 1:200,000 (SECRET)
- ACIC. US Air Target Chart, Series 200, Sheet 0245-10AL, 2d ed, Jun 60, scale 1:200,000 (SECRET)
- ACIC. US Air Target Chart, Series 200, Sheet 0245-14AL, 3d ed, Mar 61, scale 1:200,000 (SECRET)
- ACIC. US Air Target Chart, Series 200, Sheet 0245-15AL, 2d ed, Mar 63, scale 1:200,000 (SECRET)
- AMS. Series DESPA-1, Sheet NL43-4, 1st ed, Jun 63, scale 1:250,000 (TOP SECRET RUFF)
- AMS. Series DESPA-1, Sheet NL43-7, 1st ed, Jun 63, scale 1:250,000 (TOP SECRET RUFF)
- AMS. Series DESPA-1, Sheet NL43-5, 1st ed, Nov 62, scale 1:250,000 (TOP SECRET RUFF)
- AMS. Series DESPA-1, Sheet NL42-2, 1st ed, Apr 61, scale 1:250,000 (TOP SECRET RUFF)

RELATED DOCUMENTS

25X1D

- NPIC. R-162/64, *Antimissile Test Center, Sary-Shagan, USSR, Changes and Additions as of* [REDACTED] Mar 64
(TOP SECRET CHESS RUFF)
- NPIC. R-294/63, *HEN ROOST Antennas, Antimissile Test Center, Sary Shagan, USSR,* [REDACTED] Nov 63 (TOP
SECRET CHESS RUFF)

REQUIREMENTS

25X1D

- NPIC. PC 231-64
- CIA. C-RR4-81,299

NPIC PROJECT

- N-296/64

Approved For Release 2000/05/09 : CIA-RDP78B04560A002300010011-1

~~TOP SECRET~~

Approved For Release 2000/05/09 : CIA-RDP78B04560A002300010011-1

~~TOP SECRET~~